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10588694 - CAU: 1797

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	Filing Date		2005-02-09	
	First Named Inventor	AGNES, George R.		
	Art Unit			
	Examiner Name	/Christopher Adam Hixson/		
	Attorney Docket Number	S168 0226/TWB		

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1	Gao, J., et al., "Solidification of levitated Nd-Fe-B alloy droplets at significant bulk undercoolings", Journal of Alloys and Compounds, 2003, 350:344-350.	<input type="checkbox"/>
2	Gaumet, J. J. and Strouse, G., "Nanospray mass spectrometry technique for analysing nanomaterials from molecular precursors up to 1.5 nm in diameter cluster", Materials Science and Engineering, 2002, C 19:299-304.	<input type="checkbox"/>
3	Green, B. N., et al., "Observation of large, non-covalent globin subassemblies in the .apprx.3600 kDa hexagonal bilayer hemoglobins by electrospray ionization time-of-flight mass spectrometry", J. Mol. Biol., 2001, 309:553-560.	<input type="checkbox"/>
4	Grimm, R. L. and Beauchamp, J. L., "Evaporation and discharge dynamics of highly charged droplets of heptane, octane, and p-Xylene generated by electrospray ionization", Anal. Chem. 2002, 74:6291-6297.	<input type="checkbox"/>
5	Haddrell, A. E. and Agnes, G. R., "Organic cation distributions in the residues of levitated droplets with net charge: validity of the partition theory for droplets produced by an electrospray", Anal. Chem., 2004, 76:53-61.	<input type="checkbox"/>
6	Hanczyc, M. M., et al., "Experimental models of primitive cellular compartments: encapsulation, growth, and division", Science, 2003, 302:618-622.	<input type="checkbox"/>
7	Hanton, S. D., et al., "Investigations of electrospray sample deposition for polymer MALDI mass spectrometry", J. Am. Soc. Mass Spectrom., 2004, 15:168-179.	<input type="checkbox"/>
8	Hao, C., et al., "Electrospray ionization tandem mass spectrometric study of salt cluster ions: part 1- investigations of alkali metal chloride and sodium salt cluster ions", J. Mass Spectrom., 2001, 36:79-96.	<input type="checkbox"/>
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10	Hermann, R., et al., "Growth kinetics in levitated and quenched Nd-Fe-B alloys", IEEE Trans. Magn., 2001, 37 (3):1100-1105.	<input type="checkbox"/>
11	Hernandez, H., et al., "Observation of the iron-sulfur cluster in Escherichia coli biotin synthase by nanoflow electrospray mass spectrometry", Anal. Chem., 2001, 73:4154-4161.	<input type="checkbox"/>

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12	Huber, C. and Wachtershauser, G., "Activated acetic acid by carbon fixation on (Fe,Ni)S under primordial conditions", Science, 1997, 276:245-247.	<input type="checkbox"/>
13	Huber, C. and Wachtershauser, G., "Peptides by activation of amino acids with CO on (Ni,Fe)S surfaces: Implications for the origin of life", Science, 1998, 281:670-672.	<input type="checkbox"/>
14	Iavarone, A.T., et al., "Buffer loading for counteracting metal salt-induced signal suppression in electrospray ionization", Anal. Chem., 2004, 76(14):3944-3950.	<input type="checkbox"/>
15	Ishikawa, Y. and Komada, S., "Development of acoustic and electrostatic levitators for containerless protein crystallization", Fujitsu Sci. Tech. J. 1993, 29:330-338.	<input type="checkbox"/>
16	Jacob, K.T., et al., "Electromagnetic levitation study of sulfur in liquid iron, nickel, and iron-nickel alloys", Trans. Indian Inst. Met. 1986, 39:62-69.	<input type="checkbox"/>
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18	Jang, H. M. and Hwang, N. M., "Theory of the charged cluster formation in the low pressure synthesis of diamond: part I. charge-induced nucleation", J. Mater. Res., 1998, 13(12):3527-3535.	<input type="checkbox"/>
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20	Joshi, Prakash, et al., "Homochiral selection in the montmorillonite-catalyzed and uncatalyzed prebiotic synthesis of RNA", Chem Commun., 2000, 24:2497-2498.	<input type="checkbox"/>
21	Julian, R.R., et al., "Nanocrystalline aggregation of serine detected by electrospray ionization mass spectrometry: origin of the stable homochiral gas-phase serine octamer", J. Phys. Chem. B., 2002, 106:1219-1228.	<input type="checkbox"/>
22	Kearle, P. and Tang, L., "From ions in solution to ions in the gas phase. The mechanism of electrospray mass spectrometry", Anal. Chem., 1993, 65(22):972A-986A.	<input type="checkbox"/>

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23	Keesee, R.G. and Castleman, A. W., "Thermochemical data on gas-phase ion-molecule association and clustering reactions". J. Phys. Chem. Ref. Data, 1986, 15:1011-1071.	<input type="checkbox"/>
24	Klotz, S. A., "The contribution of electrostatic forces to the process of adherence of Candida albicans yeast cells to substrates", FEMS Microbiol. Lett., 1994, 120:257-262.	<input type="checkbox"/>
25	Koch, K. J., et al., "Clustering of nucleobases with alkali metals studied by electrospray ionization tandem mass spectrometry: implications for mechanisms of multistrand DNA stabilization", J. Mass Spectrom., 2002, 37:676-686.	<input type="checkbox"/>
26	Kojima, T., et al., "Observation of triply charged metal ion clusters by electrospray and laser spray", Rapid Commun. Mass Spectrom., 1999, 13:2090-2097.	<input type="checkbox"/>
27	Kramer, B., et al., "Homogeneous nucleation rates of supercooled water measured in single levitated microdroplets", J. Chem. Phys., 1999, 111(14):6521-6527.	<input type="checkbox"/>
28	Krieger, U. K., et al., "Supercooling of single H <sub>2</sub> SO <sub>4</sub> /H <sub>2</sub> O aerosols to 158 K: No evidence for the occurrence of the octahydrate", Geophys. Res. Lett., 2000, 27(14):2097-2100.	<input type="checkbox"/>
29	Lee, S.-W. and Beauchamp, J. L., "Fourier transform ion cyclotron resonance study of multiply charged aggregates of small singly charged peptides formed by electrospray ionization", J. Am. Soc. Mass Spectrom., 1999, 10:347-351.	<input type="checkbox"/>
30	Lee, S.-W., et al., "Chemistry in nanodroplets: studies of protonation sites of substituted anilines in water clusters using FT-ICR", J. Am. Chem. Soc., 2000, 122:9201-9205.	<input type="checkbox"/>
31	Lee, Y., et al., "Metal-assisted esterification: glutaric acid-iron(II) complexes in the gas phase", Rapid Commun. Mass Spectrom., 2001, 15:484-488.	<input type="checkbox"/>
32	Luxembourg, S. L., et al., "Effect of local matrix crystal variations in matrix-assisted ionization techniques for mass spectrometry", Anal. Chem., 2003, 75:2333-2341.	<input type="checkbox"/>
33	McDonnell, L. A., et al., "Using matrix peaks to map topography: Increased mass resolution and enhanced sensitivity in chemical imaging", Anal. Chem., 2003, 75:4373-4381.	<input type="checkbox"/>

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33	Manil, B., et al., "Charge emission and decay dynamics of highly charged clusters and micro-droplets", Nucl. Instrum. Methods Phys. Res. B, 2003, 205:684-689.	<input type="checkbox"/>
35	March, R.E., "Ion trap mass spectrometry", Int. J. Mass Spectrom. Ion Processes, 1992, 118/119:71-135.	<input type="checkbox"/>
36	Millikan, R. A., "A new modification of the cloud method of measuring the elementary electrical charge, and the most probable value of that charge", Phys. Rev., 1909, 30:560-561.	<input type="checkbox"/>
37	Millikan, R. A., "On the elementary electrical charge and the avogadro constant", Phys. Rev., 1911, 2:109-143.	<input type="checkbox"/>
38	Morozov, V. N., et al., "Atomic force microscopy of structures produced by electrospraying polymer solutions", Int. J. Mass Spectrom., 1998, 178:143-159.	<input type="checkbox"/>
39	Musick, J., et al., "Investigations of radical polymerization and copolymerization reactions in optically levitated microdroplets by simultaneous Raman spectroscopy, Mie scattering, and radiation pressure measurements", Appl. Spectrosc., 1998, 52(5):692-701.	<input type="checkbox"/>
40	Musick, J. and Popp, J., "Investigations of chemical reactions between single levitated magnesium chloride microdroplets with SO2 and NOx by means of Raman spectroscopy and elastic light scattering", Phys. Chem. Chem. Phys. 1999, 1:5497-5502.	<input type="checkbox"/>
41	Musick, J., et al., "Chemical reactions of single levitated inorganic salt particles with ammonia gas", Appl. Spectrosc., 2000, 54(8):1136-1141.	<input type="checkbox"/>
42	Myland, J.C. and Oldham, K. B., "Overcoming electroneutrality: concentrative and electrical conditions inside a charged droplet of electrolyte solution", J. Electroanal. Chem., 2002, 522:115-123.	<input type="checkbox"/>
43	Nagashio, K., et al., "Direct crystallization of Y3Fe5O12 garnet by containerless solidification processing", Materials Transactions, 2001, 42:233-237.	<input type="checkbox"/>
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45	Nettleton, E. J., et al., "Characterization of the oligomeric states of insulin in self-assembly and amyloid fibril formation by mass spectrometry", Biophys. J., 2000, 79:1053-1065.	<input type="checkbox"/>
46	Paul, W., "Electromagnetic traps for charged and neutral particles", Reviews of Modern Physics, 1990, 62(3):531-540.	<input type="checkbox"/>
47	Rabeony, H. and Mirabel, P., "Experimental study of vapor nucleation on ions", J. Phys. Chem., 1987, 91:1815-1818.	<input type="checkbox"/>
48	Ray, A. K., et al., "Dynamic behaviour of single glycerol droplets in humid air streams", Langmuir, 1989, 5:133-140.	<input type="checkbox"/>

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